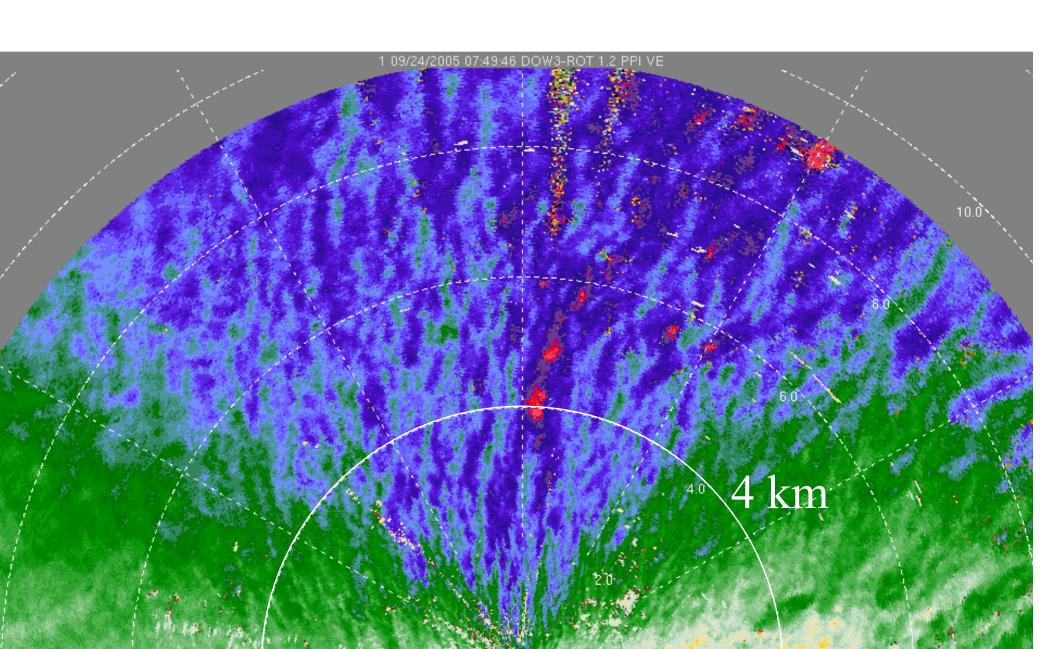
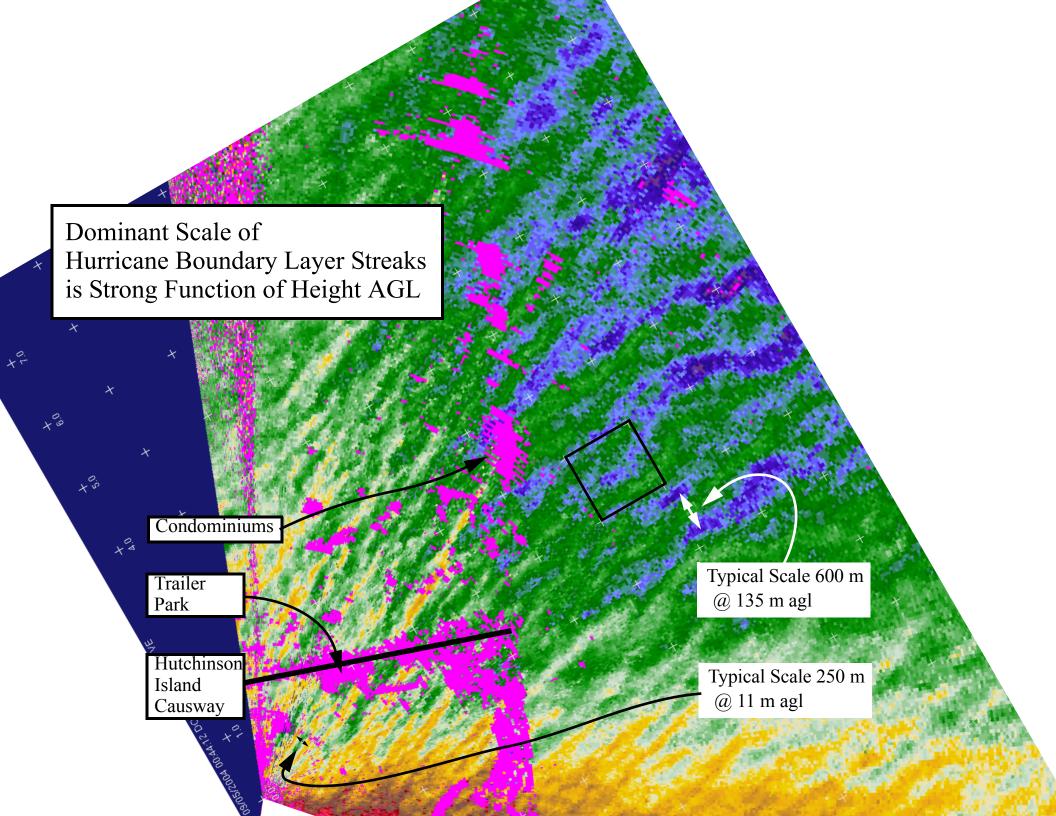
## Towards Mapping Overland Winds in Hurricanes

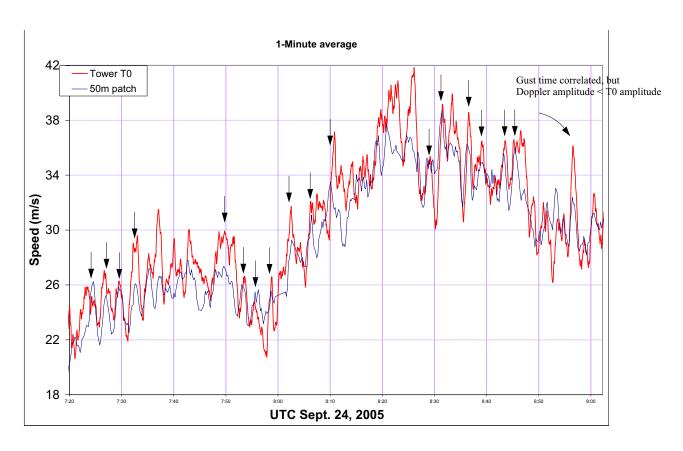
**DOW** and Tower Data Syntheses

12-100 m scale DOW data @ 12 s intervals 10 m Tower data at 1 s intervals









Comparison of Doppler and FMCP T0 winds over shorter time period to illustrate qualitative alignment of 1-min period gusts. Amplitude of 1-min variability is higher at T0, probably due to inadequate spatial averaging method for Doppler patch. (soon to be corrected) Same 0.7 normalization and cosign corrections applied.

## Individual DOW-measured gusts over T0 are well correlated with T0 anemometer

## DOWs + Towers

= neighborhood-scale wind maps

Real-Time Wind Maps could be made to specify severe impact neighborhoods, refineries, nukes

We can know who had 140 mph and who had 100 mph